

CLAIMS

I claim:

1. Stratified insole for a shoe of the type including a sole, if necessary provided with holes intercommunicating with the interior of the shoe, in correspondence with the interior side to which a ventilated stratified insole is joined that is composed of at least one layer of thermoplastic material whose upper interface is shaped with a plurality of channels and is positioned above a layer of transpiring material to support the sole of the foot; said insole being peripherally shaped according to the shape of the sole of the foot, characterized in that it is obtained by connecting the following material layers one on top of the other:

A first lower support layer made from transpiring material;

A second layer, superimposed on said first, made from insulating material, which provides a plurality of channels in correspondence to the upper interface;

A third layer superimposed on said second layer, made from insulating material, which provides, in correspondence with the upper interface, a plurality of channels that at least partly coincide with the channels obtained along the second layer, said channels being in intercommunication with the channels of the second and underlying layer;

A fourth layer of material joined to said third layer, made from transpiring material.

2. Stratified insole for a shoe according to claim 1, characterized in that the second layer in correspondence with the upper interface disposes of channels that develop from the anterior part, corresponding to the toe area of the insole, to the posterior part corresponding to the heel area of said layer of material.

3. Stratified insole for a shoe according to claims 1 and 2, characterized in that the third layer in correspondence with the upper interface disposes of channels that develop longitudinally from the anterior part to the posterior part of said material layer and each of said channels is provided longitudinally with connecting holes between said channels and the channels of the second and underlying layer.

4. Stratified insole for a shoe according to previous claims, characterized in that the second layer provides channels that intersect the longitudinal channels obtained in correspondence to the upper interface of the second layer of material, said subsequent channels are located in a more compact way in correspondence to the heel and toe area while they are fitted more loosely in correspondence to the arch.

5. Stratified insole for a shoe according to previous claims, characterized in that at least the second layer of insulating material is obtained from a compound on a base of SEBS block copolymers (styrene-ethylene-butadiene-styrene).

6. Stratified insole for a shoe according to previous claims, characterized in that also the third layer of insulating material connected to said second layer is obtained from a compound based on SEBS block copolymers (styrene-ethylene-butadiene-styrene).

7. Stratified insole for a shoe according to previous claims, characterized in that the position and the number of longitudinal channels obtained along the second layer coincide logically with the channels obtained in correspondence with the third layer.